

## SCHEDULE OF SESSIONS (ORAL)

**DATE: 12.8.09 (WEDNESDAY)**

**TIME: 10.30am – 13.00pm**

Session	Paper Numbers
<b>BPE –I</b>	BPE-1, BPE-2, BPE-3, BPE-13, BPE- 21, BPE-46, BPE-57, BPE- 58, BPE-62, CPE-56
<b>CPE-I</b>	CPE-1, CPE-14, CPE-22, CPE-26, CPE-28, CPE-34, CPE-46, CPE-51, CPE-99
<b>EES-I</b>	EES-5, EES-7, EES-8, EES-9, EES-30, EES-40, EES-44, EES-51, EES-54, EES-17

**DATE: 12.8.09 (WEDNESDAY)**

**TIME: 14.30am – 17.30pm**

Session	Paper Numbers
<b>PPI –II</b>	PPI-12, PPI-22, PPI-28, PPI-33, PPI-36, PPI-37, PPI-38, PPI-45, PPI-54, PPI-57
<b>CPE-II</b>	CPE-3, CPE-8, CPE-16, CPE-23, CPE-30, CPE-36, CPE-37, CPE-40, CPE-42, CPE-54
<b>MTE-II</b>	MTE-5, MTE-6, MTE-7, MTE-8, MTE-9, MTE-11, MTE-16, MTE-19, MTE-22, MTE-24

**DATE: 13.8.09 (THURSDAY)**  
**TIME: 10.30am– 13.00pm**

<b>Session</b>	<b>Paper Numbers</b>
<b>CPE-III</b>	CPE- 13, CPE-17, CPE-33, CPE-35, CPE-87, EES-23, BPE-11, BPE-14, BPE-25, PPI-32
<b>EES-II</b>	EES-1, EES-10, EES-22, EES-33, EES-37, EES-46, EES-56, EES-59, EES-60, EES-61
<b>BPE-II</b>	BPE-6, BPE-10, BPE-28, BPE-29, BPE-30, BPE-31, BPE-41, BPE-47, BPE-48, BPE-61

**DATE: 13.8.09 (THURSDAY)**  
**TIME: 14.30pm- 17.30pm**

<b>Session</b>	<b>Paper Numbers</b>
<b>CPE-IV</b>	CPE-45, CPE-57, CPE-58, CP77, CPE-78, CPE-85, CPE-91, CPE-104, CPE-106, CPE-48
<b>EES-III</b>	EES-6, EES-13, EES-20, EES-21, EES-25, EES-28, EES-29, EES-52, EES-63, EES-64
<b>BPE-III</b>	BPE-17, BPE-22, BPE-26, BPE-27, BPE-34, BPE-35, BPE-60, BPE-65, BPE-66, CPE-107

**DATE: 14.8.09 (FRIDAY)**

**TIME: 8.00am – 11.30am**

<b>Session</b>	<b>Paper Numbers</b>
<b>CPE-V</b>	CPE- 4, CPE-10, CPE-25, CPE-27, CPE-47, CPE-49, CPE-53, CPE-75, CPE-83
<b>EES-IV</b>	EES-12, EES-15, EES-16, EES-32, EES-34, EES-38, EES-43, EES-47, PPI-16, CPE-38
<b>PPI-II</b>	PPI-6, PPI-9, PPI-21, PPI-27, PPI-30, PPI- 39, PPI-41, PPI-48, PPI-51, PPI-56, CPE-39

**DATE: 14.8.09 (FRIDAY)**

**TIME: 14.15pm- 16.00pm**

<b>Session</b>	<b>Paper Numbers</b>
<b>CPE-VI</b>	CPE-5, CPE-11, CPE-19, CPE-89, CPE-90, CPE-95, CPE-97, CPE-98, CPE-101
<b>PPI-III</b>	PPI-13, PPI-15, PPI-34, BPE-40, BPE-16, BPE-20
<b>CPE-III</b>	CPE-9, CPE-32, CPE-64, CPE-103, CPE-108, CPE-110

**DAY 1**  
**12.8.2009 (WEDNESDAY)**

<b>Session BPE- I</b>	
<b>Chairperson: 1) Associate Professor Dr. Buhri Arifin</b> <b>2) Associate Professor Dr. Robiah Bt. Yunus</b> <b>Time: 10.30am – 13.00pm</b> <b>Venue: La Bastille</b>	
BPE-1	<b>COMPARISON OF SWEET SORGHUM AND CASSAVA FOR ETHANOL PRODUCTION BY USING <i>SACCHAROMYCES CEREVISIAE</i></b> Najiah Nadir Maizirwan Mel, Mohd Ismail Abdul Karim and Rosli Mohd Yunus (IIUM, UMP, Malaysia)
BPE-2	<b>BIOPROCESS DEVELOPMENT FOR LARGE SCALE PRODUCTION OF ANTICANCER EXO- POLYSACCHARIDE BY <i>PLEUROTUS OSTREATUS</i> IN SUBMERGED CULTURE</b> El-Enshasy H.A, Daba A.S, El-Demellawy M, Ibrahim A, El Sayed S and El Badry I (UTM, Malaysia)
BPE-3	<b>EFFECT OF PARTICLE SIZE ON PRODUCTION OF CITRIC ACID FROM OIL PALM EMPTY FRUIT BUNCHES AS NEW SUBSTRATE BY WILD <i>ASPERGILLUS NIGER</i></b> Md. Niamul Bari, Md. Zahangir Alam, Suleyman A Muyibi, Parveen Jamal, Abdullah-Al-Mamun and Md. Shah Samiur Rashid (IIUM, Malaysia)
BPE-13	<b>OPTIMIZATION OF SERUM PREPARATION IN VERO CELL CULTURE USING A STATISTICAL APPROACH</b> Yusilawati Ahmad Nor, Jaafar Nuhu Jaafar, Maizirwan Mel, Hamzah Mohd Salleh and Iis Sopyan (IIUM, Malaysia)
BPE-21	<b>EFFECTS OF PH AND TEMPERATURE ON PRODUCTION OF FRUCTO-OLIGOSACCHARIDES FROM NATURAL COCONUT</b> A. Noormazlinah and A. M. Mimi Sakinah (UMP, Malaysia)
BPE-46	<b>THE EFFECT OF OXYGEN TRANSFER RATES AND CARBON SOURCES ON FNR ACTIVITY IN <i>E.COLI</i> CULTURE</b> Nurul Aini Mohd Azman, Shalyda Md Shaarani, Sureena Abdullah and Rohaida Che Man (UMP, Malaysia)
BPE-57	<b>EFFECT OF INOCULUMS SIZE AND GLUCOSE ON GROWTH AND HYALURONIC ACID PRODUCTION BY <i>STREPTOCOCCUS ZOOEPIDEMICUS</i></b> Noor Fazliani Shoparwe, Mashitah Mat Don and Mohamad Hekarl Uzir (USM, Malaysia)
BPE-58	<b>INFLUENCE OF AERATION AND AGITATION ON FRUCTOOLIGOSACCHARIDES PRODUCTION BY <i>PENICILLIUM SIMPLICISSIMUM</i> IN ROTATING FIBROUS BED BIOREACTOR</b> Noraziah Abu Yazid, Mashitah Mat Don and Subhash Bhatia (USM, Malaysia)
BPE-62	<b>DEVELOPMENT OF BIOETHANOL PROCESS FROM CASSAVA ROOT &amp; STEM</b> Gi -Wook Choi (Changhae Institute of Cassava and Ethanol Research, Changhae Ethanol Co., Ltd., Jeonju, South Korea)
CPE-56	<b>REACTION PATHWAY SYNTHESIS FOR INTEGRATED BIOREFINERIES</b> Denny K. S. Ng, Buping Bao, Mahmoud M. El-Halwagi (Universiti Northingham, Malaysia)

**DAY 1**  
**12.8.2009 (WEDNESDAY)**

<b>Session CPE-I</b>	
<b>Chairperson: 1) Professor Dr Keshavarz Moraveji</b> <b>2) Associate Professor Dr. Anita Bt. Ramli</b> <b>Time: 10.30am – 13.00pm</b> <b>Venue: Le Lourve</b>	
CPE-1	<b>MODIFICATION AND CHARACTERIZATION OF PHYTASES FOR ANIMAL FEED PRODUCTION</b> Ibrahim Ali Noorbatcha, Nurhusna Samsudin and Hamzah Mohd Salleh (IIUM, Malaysia)
CPE-14	<b>PRODUCTION OF CHITINASE BY SOLID STATE FERMENTATION FROM SUGARCANE BAGASSE</b> Sudhakar.P , Nagarajan.P And Saravanan.R (Annamalai University, India)
CPE-22	<b>KINETICS OF MODIFIED ZIRCONIA-CATALYZED HETEROGENEOUS ESTERIFICATION REACTION FOR BIODIESEL PRODUCTION</b> M. I. Zubir and S. Y. Chin (UMP, Malaysia)
CPE-26	<b>THE STUDY OF GLYCOLIC ACID ETHOXYLATE 4-NONYLPHENYL ETHER ON DRAG REDUCTION</b> Emma Suali, Hayder A.Abdul Bari and Zulkaflī Hassan (UMP, Malaysia)
CPE-28	<b>IMPROVEMENT OF NEWCASTLE DISEASE VIRUS (NDV) TITER USING SONICATION PROCESS</b> M. Mel, J. N. Ja'afar, M. Ismail A.K, I. Aini and S. S. Hassan (IIUM, UPM & Monash University, Malaysia)
CPE-34	<b>SYSTEM IDENTIFICATION USING ORTHONORMAL BASIS FILTERS</b> Lemma D. Tufa, M. Ramasamy and M. Shuhaimi (UTP, Malaysia)
CPE-46	<b>SEPARATION OF DJENKOL BEAN POISONING (DJENKOLISM) FROM <i>PITHECELLOBIUM JIRINGAN</i> SEEDS USING SUPERCRITICAL CARBON DIOXIDE</b> C. Y. Mohd Azizi, R.Adnan and Wahyu B. Setianto (UTM, Malaysia)
CPE-51	<b>EXPERIMENTAL STUDY OF THERMODYNAMIC AND POLYMERIC INHIBITORS EFFECTS ON METHANE GAS HYDRATE FORMATION</b> Farzad Shazad, Alireza Fazlali and M. Keshavarz Moraveji (Arak University)
CPE-99	<b>SOLID LIQUID EXTRACTION OF JATROPHA SEEDS BY MICROWAVE PRETREATMENT AND ULTRASOUND ASSISTED METHODS</b> Sepidar Sayyar, Zurina Zainal Abidin, Robiah Yunus and Azhari Muhammad (UPM, Malaysia)

**DAY 1**  
**12.8.2009 (WEDNESDAY)**

<b>Session EES-I</b>	
<b>Chairperson: 1) Associate Professor Dr. Abdullah Al-Mamun</b> <b>2) Dr. Amarasinghe B.M.W.P.K</b> <b>Time: 10.30am – 13.00pm</b> <b>Venue: Tour Eiffel</b>	
EES-5	<b>IMPLEMENTATION OF DECISION SUPPORT SYSTEM FOR SCHEDULED WASTE MANAGEMENT IN MALAYSIA</b> Mohammad Shahnor Bani, Zulkifli Abdul Rashid, Ku Halim Ku Hamid (UITM, Malaysia)
EES-7	<b>PRODUCTION OF BIOETHANOL FROM CASSAVA: ENZYME CONCENTRATION STUDY</b> Mashitah Abdullah, Ku Syahidah Ku Ismail, KhairulFarihanKasim and Mohamed Zulkali Mohamed Daud (UNIMAP, Malaysia)
EES-8	<b>OPTIMISATION OF ARSENIC ADSORPTION FROM WATER BY CARBON NANOFIBRES GROWN ON POWDERED ACTIVATED CARBON IMPREGNATED WITH NICKEL</b> A.A. Mamun, F.R. Ma'an1, A.K. Zahirah, M.A. Yehya, A.R.S.Mohammed, M.Z. Alam1 , S.A. Muyibi, I.A. Faris and I. Azni (IIUM, Malaysia)
EES-9	<b>IRON DOPED MICROPOROUS ACTIVATED CARBON (PHENOLIC RESIN) AS AN ADSORBENT FOR ARSENIC REMOVAL</b> Ajit Sharma, Nalini Sankararamakrishnan, Ashutosh Sharma, Nishith Verma (India)
EES-17	<b>CONCENTRATION PROFILE BEHAVIORAL FROM DIGESTATE TELEVISION PRINTED CIRCUIT BOARD FOR METAL RECOVERY VIA ELECTROLYSIS</b> Mohd. Taha K.S and Salmiaton A and Shaffreza S. (UPM, Malaysia)
EES-30	<b>BIODIESEL PRODUCTION FROM CRUDE PALM OIL (CPO) BY TRANSESTERIFICATION PROCESS</b> Alkabbashi, A. N, Md Z. Alam, Mohamed E. S. Mirghaniand Ashraf M. A. Al-Fusaiei (IIUM, Malaysia)
EES-40	<b>A TWO-STEP BIODIESEL PRODUCTION FROM WASTE COOKING OIL: OPTIMIZATION OF PRE-TREATMENT STEP</b> Wan Nor Nadyaini Wan Omar, Nurshuhada Nordin, Mahadhir Mohamed and Nor Aishah Saidina Amin (UTM, Malaysia)
EES-44	<b>METHANOLYSIS OF JATROPHA OIL IN PRESENCE OF POTASSIUM HYDROXIDE AS CATALYST</b> Azhari Muhammad Syam, RobiahYunus, Tinia Idaty Mohd Ghazi and Thomas Choong Shean Yaw (UPM, Malaysia)
EES-51	<b>CONCENTRATION OF BIOPETROL FROM OLEIC ACID</b> Syaiful Nizam Hassan, Noor Zariyati Mohammed and Mohd Shahli Mohd Shek (UMP, Malaysia)
EES-54	<b>REMOVAL OF METHYLDIETHANOLAMINE (MDEA) FROM WASTEWATER USING MEMBRANE SEPARATION PROCESS</b> Seyoum Binyam, Mukhtar Hilmi and Lau Kok Keong (UTP, Malaysia)

**DAY 1**  
**AUGUST 12, 2009 (WEDNESDAY)**

<b>Session PPI-I</b>	
<b>Chairperson: 1) Associate Professor Dr. Salmiaton Bt. Ali</b> <b>2) Dr. Maizirwan Mel</b> <b>Time: 14.30pm – 16.00pm</b> <b>Venue: Tour Eiffel</b>	
PPI-12	<b>PHYSICO-CHEMICAL AND BIOLOGICAL TREATMENT TO OPTIMIZE THE ANAEROBIC POND OF POME</b> Mahzad Hojjat, Sa'ari Mustapha and Mohamad Amran Mohd Salleh (UPM, Malaysia)
PPI-22	<b>FORMATION AND STABILITY OF N-DODECANE NANOEMULSIONS PRODUCED BY PIT METHOD IN SODIUM CHLORIDE SOLUTION</b> Jeffery C Liew, Dzuy Q Nguyen and Yung Ngothai (University of Adelaide, South Australia)
PPI-28	<b>EFFECT OF ELECTRICAL FIELD ON DEMULSIFICATION OF WATER IN OIL EMULSION IN EMULSION LIQUID MEMBRANE SYSTEM</b> Norasikin Othman, Azfar Ahmad, Mohd Azwadi Piramali and N. Mill (UTM, Malaysia)
PPI-33	<b>STUDIES ON FLOW PATTERN IN UNDERGROUND COAL GASIFICATION CAVITY</b> Sateesh D, Ramesh Naidu, Sanjay Mahajani, Anuradda Ganesh and Preeti Aghalayam (IIT, India)
PPI-36	<b>PRODUCTION OF VIRGIN COCONUT OIL (VCO) VIA WATER SOLUBLE MATERIAL AND CENTRIFUGATION METHOD: A FEASIBILITY STUDY</b> M. Faisal Sulong, Abdurahman, H. Nour and Rosli, Mohd Yunus (UMP, Malaysia)
PPI-37	<b>DETERMINATION OF EFFECTIVE DIFFUSIVITY OF COCOA BEANS USING VARIABLE DIFFUSIVITY MODEL</b> C.L. Hii, C.L. Law and M. Cloke (University of Nottingham, Malaysia)
PPI-38	<b>THERMAL BEHAVIOUR STUDY OF SILANTEK COAL (HIGH RANK COAL) AND WOOD WASTE BLENDS DURING PYROLYSIS USING THERMOGRAVIMETRIC ANALYSIS</b> Sharmeela Matali, Norazah Abd Rahman, Azil Bahari Alias, Zulkifli Abdul Rashid and Siti Shawalliah Idris (UITM, Malaysia)
PPI-45	<b>EXPERIMENTAL STUDY ON THE EFFECTS OF MECHANICAL PARAMETERS IN METHANE GAS HYDRATE FORMATION</b> M. Keshavarz Moraveji and A. Fazlali (Arak University)
PPI-54	<b>DEVELOPMENT GAS HYDRATE (LNG) AND (LPG) PROCESS AT HIGH PRESSURE AND TEMPERATURE FOR FUEL-TECHNOLOGY</b> K. M. Kassim, A.K.M. Shafiqul Islam and M. Zulkali (UniMAP, Malaysia)
PPI-57	<b>THE EFFECT OF FE<sup>2+</sup> AND H<sub>2</sub>O<sub>2</sub> CONCENTRATION OF PESTICIDES REMOVAL BY FENTON PROCESS IN AQUEOUS SOLUTION: A CASE STUDY FOR ORGANOCHLORINE AND ORGANOPHOSPHATE</b> A.L. Ahmad, S.N. Abu Bakar and B. H. Hameed (USM, Malaysia)

**DAY 1**  
**12.8.2009 (WEDNESDAY)**

<b>Session CPE-II</b>	
<b>Chairperson: 1) Professor Dr. Ravindra Pogaku</b> <b>2) Associate Professor Dr. Saikat Maitra</b> <b>Time: 14.30pm – 16.00pm</b> <b>Venue: Le Lourve</b>	
CPE-3	<b>FAULT DETECTION AND DIAGNOSIS (FDD) FOR GAS DENSITY MONITORING USING MULTIVARIATE STATISTICAL PROCESS CONTROL (MSPC)</b> N. S. Che Din, N.A.F.Abdul Samad and S. Y. Chin (UMP, Malaysia)
CPE-8	<b>OPEN LOOP RESPONSES OF AIR HEATER SYSTEM</b> Juwari, S.Y.Chin and Rosbi Mamat (UMP, Malaysia)
CPE-16	<b>SOFTWARE SENSOR DEVELOPMENT USING RADIAL BASIS FUNCTION FOR ESTIMATION OF ERYTHROPOIETIN CONCENTRATION</b> Roslina Rashid, Suria Riza Radzali, Badarulhisam Abdul Rahman and Siti Marsilawati Mohamed Esivan (UTM, Malaysia)
CPE-23	<b>STABILITY AND DEMULSIFICATION OF WATER-IN-CRUDE OIL EMULSION VIA MICROWAVE HEATING</b> Souleyman A. Issaka, Abdurahman H. Nour and Rosli M. Yunus (UMP, Malaysia)
CPE-30	<b>SULFUR REMOVAL FROM MODEL DIESEL FUEL USING GRANULAR ACTIVATED CARBON FROM DATES' STONES ACTIVATED BY H3PO4</b> Yahia A. Alhamed and Hisham S. Bamufleh (King Abdulaziz University, Saudi Arabia)
CPE-36	<b>EFFECT OF PARTICLE LOADING IN FORMULATION OF CNTs NANOFLUIDS</b> Hajar Alias and Katijah Arif (UTM, Malaysia)
CPE-37	<b>COMBINED TITRIMETRIC RESPIROMETER AS A REAL-TIME SENSOR TO MONITOR THE AEROBIC BIODEGRADATION PROCESS OF DIFFERENT SUBSTRATES</b> M. A. Hoque V. Aravinthan and N. M. Pradhan and A. Sakhiya (University of Southern Queensland, Australia)
CPE-40	<b>INFLUENCE OF THICKNESS ON ICE CRYSTAL FORMATION IN STRAWBERRY DURING FREEZE-DRYING</b> M.Z. Nurzahida, A.M. Mimi Sakinah and Jaafar Abdullah (UMP, Malaysia)
CPE-42	<b>INTEGRATED SCHEDULING AND RTO OF RGP WITH MPC AND PI CONTROLLERS</b> Nooryusmiza Yusoff and M. Ramasamy (UTP, Malaysia)
CPE-54	<b>ADSORPTION ISOTHERMS, KINETICS, THERMODYNAMICS AND DESORPTION STUDIES OF BASIC DYE ON ACTIVATED CARBON DERIVED FROM OIL PALM EMPTY FRUIT BUNCH</b> Ivy Ai Wei Tan and B. H. Hameed (UNIMAS, Malaysia)



**DAY 1**  
**12.8.2009 (WEDNESDAY)**

<b>Session MTE-I</b>	
<b>Chairperson: 1) Professor Dr. Yeoh Kiam Beng @ Abdul Noor</b> <b>2) Associate Professor Dr. Wan Aizan Wan Abdul Rahman</b> <b>Time: 14.30pm – 16.00pm</b> <b>Venue: La Bastille</b>	
MTE-5	<b>EFFECT OF DIFFERENT PARAMETERS ON THE MORPHOLOGY OF CARBON NANOTUBE STRUCTURES GROWN BY FLOATING CATALYST METHOD</b> Mehrnoush Khavarian, Siang-Piao Chai, Tan Soon Huat and Abdul Rahman Mohamed (USM, Malaysia)
MTE-6	<b>MECHANICAL PROPERTIES OF A-ALUMINA/ POLYPROPYLENE NANO COMPOSITE</b> F.Mirjalili, L. Chuah , A.B.Dayang, Hasmaliza .M, R. Aghababazadeh , F. Ahmadun (USM, Malaysia)
MTE-7	<b>NANOWIRE MEMBRANE FOR OIL SPILL CLEANUP: AN OVERVIEW</b> Mohd Fathi Lubis, Chun-Yang Yin and Wahidah Puasa (UITM, Malaysia)
MTE-8	<b>PREPARATION OF PES ULTRAFILTRATION MEMBRANE USING NOVEL MODIFIED MICROWAVE CASTING SOLUTION TECHNIQUE</b> Iqbal Ahmed, Faridah Kormin, Ani Idris, Rosli bin Mohd Tunus and Zulkafli bin Hassan (UMP, Malaysia)
MTE-9	<b>MECHANICAL AND RHEOLOGICAL CHARACTERIZATION OF PA6 AND ABS BLENDS – WITH AND WITHOUT SHORT GLASS FIBER</b> Agus Arsad, Abdul Razak Rahmat, Azman Hassan and Shaipul Nizam Iskandar (UTM, Malaysia)
MTE-11	<b>IMMOBILIZATION OF CHITOSAN ONTO CARBON NANOTUBES FOR LEAD REMOVAL FROM WATER</b> Ma'an F. Alkhatib, Mohamed E. S. Mirghani, Isam Y. Qudsieh and Iman A. F. Husain (IIUM, Malaysia)
MTE-16	<b>MECHANICAL AND BIODEGRADATION STUDIES OF LOW DENSITY POLYETHYLENE (LDPE)/STARCH BASED FILM</b> Roshafima Rasit Ali and Wan Aizan Wan Abdul Rahman (UTM, Malaysia)
MTE-19	<b>THE EFFECT OF 3-AMINOPROPYLTRIETHOXYSILANE ON THE PROPERTIES OF ETHYLENE PROPYLENE DIENE MONOMER (EPDM) /HALLOYSITE NANOCOMPOSITES</b> H.Ismail, Pooria Pasbakhsh, M.N Ahmad Fauzi and A.Abu Bakar (USM, Malaysia)
MTE-22	<b>BIOSORPTION OF COPPER(II) AND CHROMIUM(VI) BY A LIVING PHANEROCHAETE CHRYSOSPORIUM BIOMASS</b> Nikazar M, Davarpanah L and Vahabzadeh F (Amirkabir University of Technology, Tehran, Iran)
MTE-24	<b>MICROGRAPHIC TECHNIQUE FOR LINEAR-ELASTIC FRACTURE EVALUATION OF CRACK INITIATION ZONE</b> K. B. Yeo, E.H. Lim and S.K. Lam (UMS, Malaysia)

**DAY 2**  
**13.8.2009 (THURSDAY)**

<b>Session CPE-III</b>	
<b>Chairperson: 1) Professor Dr. Wan Ramli Wan Daud</b> <b>2) Associate Professor Dr. Marappagounder Ramasamy</b> <b>Time: 10.30am – 13.00pm</b> <b>Venue: Le Lourve</b>	
CPE-13	<b>GLYCEROL ETHERIFICATION BY <i>TERT</i>-BUTANOL CATALYZED BY SULFONATED CARBON CATALYST</b> Jidon Janaun and Naoko Ellis (University of British Columbia, Canada)
CPE-17	<b>PURIFICATION OF CRUDE GLYCEROL FROM TRANSESTERIFICATION RBD PALM OIL OVER HOMOGENEOUS AND HETEROGENEOUS CATALYSTS FOR THE BIOLUBRICATION PREPARATION</b> Wan Nor Roslam Wan Isahak, Manal Ismail, Mohd Ambar Yarmo, Jamaliah Mohd Jahim and Jumat Salimon (UKM, Malaysia)
CPE-33	<b>OXIDATIVE DESULFURISATION OF THIOPHENE USING CU/TS-1 CATALYST</b> A. Kalyan, N. Jose, J.K. Basu and S. Sengupta (IIT, India)
CPE-35	<b>ELECTROCHEMICAL SYNTHESIS AND CHARACTERIZATION OF ZINC OXIDE</b> Md. Noor Arifin, Aishah Abd. Jalil, Sugeng Triwahyono, Nurul Aini Mohamed Razali and Nur Hanis Hayati Hairom (UMP & UTM, Malaysia)
CPE-87	<b>SYNTHESIS OF NANOSTRUCTURED VANADIUM PHOSPHATE BASED CATALYSTS USING SONOCHEMICAL ROUTE FOR PARTIAL OXIDATION OF <i>N</i>-BUTANE</b> Y.H. Taufiq-Yap, J.R. Joshua Hoh and Y.C. Wong (UPM, Malaysia)
EES-23	<b>THE CATALYTIC ACTIVITY OF LACCASE IMMOBILIZED IN SOL-GEL SILICAS</b> N. A. Mohidem and Hanapi Mat (UTM, Malaysia)
BPE-11	<b>EFFECT OF VACUUM PRESSURE ON ETHANOL FERMENTATION</b> Viet D. Nguyen, Hitoshi Kosuge, Joseph Auresenia, Raymond Tan, Yolanda Brondial (De La Salle University, Philippine & Tokyo Institute of Technology, Japan)
BPE-14	<b>DISTRIBUTION OF PHENOLICS IN VARIOUS MALAYSIAN MEDICINAL PLANTS</b> Parveen Jamal, Anumsima Ahmad Barkat and Azura Amid (IIUM, Malaysia)
BPE-25	<b>EXPERIMENTAL INVESTIGATION ON IMPACTS OF AERATION RATE AND STIRRING SPEED ON MICRO-AEROBIC BATCH FERMENTATION</b> Emily W.T. Liew, Jobrun Nandong and Yudi Samyudia (Curtin University, Malaysia)
PPI-32	<b>GASIFICATION OF EMPTY FRUIT BUNCH FOR HYDROGEN RICH FUEL GAS PRODUCTION</b> M.A.A. Mohammed, A. Salmiaton, W.A.K.G. Wan Azlina and Mohammad Amran (UPM, Malaysia)

**DAY 2**  
**13.8.2009 (THURSDAY)**

<b>Session EES-II</b>	
<b>Chairperson: 1) Professor Dr. Roji Sarmidi</b> <b>2) Mr. Jidon Janaun</b> <b>Time: 10.30am – 13.00pm</b> <b>Venue: Tour Eiffel</b>	
EES-1	<b>ESTABLISHMENT OF ENHANCED BIOLOGICAL PHOSPHORUS REMOVAL IN A SEQUENCING BATCH REACTOR BY USING SEED SLUDGE FROM A CONVENTIONAL ACTIVATED SLUDGE WASTEWATER TREATMENT PROCESS</b> Ong Y.H, Chua A.S.M and Ngoh G.C (UM, Malaysia)
EES-10	<b>DEVELOPMENT WATER QUALITY MODEL FOR SUNGAI TEBRAU USING QUAL2K</b> Zaki Zainudin, Norazah Abd Rahman and Nurul Fadillah Mazlan (UTM, Malaysia)
EES-22	<b>USE OF ARTIFICIAL NEURAL NETWORK MODELING FOR THE PREDICTION OF WASTEWATER TREATMENT PLANT PERFORMANCE</b> Mohammed Saedi Jami, Nassereldeen Ahmed Kabashi and Norhafiza Abdullah (IUM, Malaysia)
EES-33	<b>A RISK ASSESSMENT METHODOLOGY FOR TOXIC CHEMICALS EVAPORATION FROM CIRCULAR POOLS</b> Saravanan. R, Karunanithi. T and Govindarajan. L (Annamalai University, India & Caledonian College of Engineering, Sultanate of Oman)
EES-37	<b>AN OPTIMIZATION MODEL FOR OPTIMAL CARBON SEQUESTRATION RETROFIT IN THE POWER SECTOR</b> R. R. Tan, D. K. S. Ng and D. C. Y. Foo (De La Salle University, Philippines & University of Nottingham, Malaysia)
EES-46	<b>THE CHEMICAL OXYGEN DEMAND, PHOSPHATE AND AMMONIUM CONTENTS OF MUNICIPAL WASTEWATER IN SELANGOR, MALAYSIA</b> Lee B.P, Chua A.S.M and Ngoh G.C (UM, Malaysia)
EES-56	<b>PINCH ANALYSIS APPROACH TO CARBON-CONSTRAINED PLANNING FOR CARBON SEQUESTRATION RETROFIT IN THE POWER SECTOR</b> P. K. Ch'ng, W.H. Wong, D. Pitchaimuthu, W.Tjan, D. C. Y. Foo, R. R. Tan (University of Nottingham, Malaysia & De La Salle university, Philippine)
EES-59	<b>A NOVEL PINCH-BASED TARGETING TOOL FOR WATER NETWORK SYNTHESIS</b> S. Y. Saw, L. Lee, M. H. Lim, D. C. Y. Foo, I. M. L. Chew, V. ONYEDIM, R. R. Tan, J. Klemeš (University of Nottingham, Malaysia & De La Salle university, Philippine & University of Pannonia, Hungary)
EES-60	<b>SYNTHESIS OF MINIMUM WATER UTILISATION NETWORK FEATURING MULTIPLE CONTAMINANTS IN PROCESS PLANT</b> Zainatul Bahiyah Handani, Sharifah Rafidah Wan Alwi, Haslenda Hashim & Zainuddin Abdul Manan (UTM, Malaysia)
EES-61	<b>WHY UNIVERSITIES IN MALAYSIA LACK OF AN INTEGRATED HAZARDOUS WASTE MANAGEMENT SYSTEM?</b> Che Rosmani Che Hassan, Abdul Aziz Abdul Raman, Noor Zalina Mahmood1, Nik Meriam Sulaiman and Foo Chee Hung (UM, Malaysia)

**DAY 2**  
**13.8.2009 (THURSDAY)**

<b>Session BPE-II</b>	
<b>Chairperson: 1) Professor Dr. Ani Idris</b> <b>2) Associate Professor Dr. Mashitah Mat Don</b> <b>Time: 10.30am – 13.00pm</b> <b>Venue: La Bastille</b>	
BPE-6	<b>GENE ONTOLOGY BASED BICLUSTERING IN GENE EXPRESSION DATA</b> Shahreen Kasim, Safaai Deris, Razib M. Othman, Zuraini S. Ali and Rohayanti Hassan (UTM, Malaysia)
BPE-10	<b>LACTIC ACID PRODUCTION FROM MICROWAVE- ALKALI (MWA) PRE-TREATED EMPTY FRUIT BUNCHES FIBRE (EFB) USING <i>RHIZOPUS ORYZAE</i> PELLET</b> Fazlena Hamzah, Ani Idris and Siou Jia Ming (UTM, Malaysia)
BPE-28	<b>EFFECT OF DIFFERENT DRYING METHODS ON THE RETENTION OF WATER-SOLUBLE POLYSACCHARIDE OF <i>GANODERMA TSUGAE</i> MURRILL</b> S.K. Chin, C.L. Law and P.G. Cheng (University of Nottingham, Malaysia)
BPE-29	<b>EFFECTS OF HYBRID DEHUMIDIFIER DRYING ON TEXTURE KINETICS OF <i>MANILKARA ZAPOTA</i></b> Chien Hwa Chong, Chung Lim Law, Wan Ramli Wan Daud and Luqman Chuah Abdullah (University of Nottingham & UKM, Malaysia and National University of Singapore, Singapore)
BPE-30	<b>OPTIMIZATION OF PROTEIN EXTRACTION FROM FISH WASTE USING RESPONSE SURFACE METHODOLOGY (RSM)</b> Nurdiyana H and Siti Mazlina M. K (UPM & UniKL, Malaysia)
BPE-31	<b>MICROENCAPSULATION OF PROBIOTIC <i>LACTOBACILLUS BULGARICUS</i> IN CARBOHYDRATE- PROTEIN- COCONUT OIL EMULSION TO IMPROVED CELL VIABILITY UNDER DIFFERENT CONDITIONS</b> N.Othman, Y, Jalal, M. R. Sarmidi and R.Abd Aziz (UTM, Malaysia)
BPE-41	<b>INDUCED MUTAGENESIS OF <i>BACILLUS LICHENIFORMIS</i> THROUGH ETHYL METHANESULFONATE FOR ENHANCED PRODUCTION OF THERMOSTABLE <math>\alpha</math>-AMYLASE</b> Ikram ul Haq (University Lahore, Pakistan)
BPE-47	<b>EQUILIBRIUM AND KINETIC STUDIES FOR BASIC YELLOW 11 REMOVAL BY <i>SARGASSUM BINDERI</i></b> Pei-Ling Tan, Ching-Lee Wong, Siew-Teng Ong, Siew-Ling Hii (Universiti Tunku Abdul Rahman, Malaysia)
BPE-48	<b>BIOSORPTION OF COPPER (II) FROM AQUEOUS SOLUTIONS USING NEEM (<i>AZADIRACHTA INDICA</i>) LEAVES– KINETICS AND ISOTHERM STUDIES</b> R.Y.Sheeja and Thanapalan Murugesan (Anna University, India & UTP, Malaysia)
BPE-61	<b>PRODUCTION OF VALUABLE BIOCHEMICALS USING GLYCEROL FROM BIODIESEL INDUSTRY</b> Mi-Young Seo, Jeong-Woo Seo, Sun-Yeon Heo, Jin-Oh Baek, Dina Rairakhwada, Baek-rock Oh, Pil-Soo Seo, Min Ho Choi, Soon Ah Kang and Chul Ho Kim (Korea Research Institute of Bioscience and Biotechnology & Seoul University of Venture and Information, Korea)

**DAY 2**  
**13.8.2009 (THURSDAY)**

<b>Session CPE-IV</b>	
<b>Chairperson: 1) Professor Dr. Nor Aishah Saidina Ali</b> <b>2) Mr. Chin Sim Yee</b> <b>Time: 14.30pm – 16.00pm</b> <b>Venue: Le Lourve</b>	
CPE-45	<b>STABILIZATION AND DEMULSIFICATION OF CRUDE OIL EMULSIONS</b> Abdurahman. H. Nour, R. Mohd. Yunus and Zulkifly. Hassan (UMP, Malaysia)
CPE-48	<b>MATHEMATICAL MODELING OF GAS PHASE OLEFIN POLYMERIZATION IN FLUIDIZED-BED CATALYTIC REACTOR: A REVIEW</b> A. Shamiri, M. A. Hussain (UM, Malaysia)
CPE-57	<b>THE ROLE OF ACID STRENGTH OF MODIFIED NaX ZEOLITES IN GAS PHASE ETHYLATION OF BENZENE</b> Sanghamitra Barman and Narayan Chandra Pradhan (Thapar University, Punja & IIT, India)
CPE-58	<b>LOW COST REMOVAL OF REACTIVE ORANGE 16 DYE USING CROSS-LINKED CHITOSAN/OIL PALM ASH COMPOSITE BEADS</b> Masitah Hasan, Bassim H. Hameed, Abd. Latif Ahmad, Zulfakar Mokhtar, Naimah Ibrahim and Salwa Mohd. Zaini Makhtar (UniMAP & USM, Malaysia)
CPE-77	<b>SYNTHESIS OF CARBON NANOMATERIALS ON SHORT CARBON FIBER AT LOW TEMPERATURE</b> Mahta Sadegh Vishkaei, Robiah Yunus, Mohd Amran Mohd Salleh and Dyg Radiah Awg Biak (UPM, Malaysia)
CPE-78	<b>EFFECTS OF TEMPERATURE AND PH ON XYLITOL RECOVERY FROM OIL PALM EMPTY FRUIT BUNCH HYDROLYSATE BY <i>CANDIDA TROPICALIS</i></b> Nurul Lina Mohamad, Siti Mazlina Mustapa Kamal and A.G. Liew (UPM, Malaysia)
CPE-85	<b>EFFECT OF IONIC LIQUIDS INTO AMINE SOLUTION ON CO<sub>2</sub> ABSORPTION RATE</b> Afshin Ahmady, Mohd. Ali Hashim and Mohamed Kheireddine Aroua (UM, Malaysia)
CPE-91	<b>REACTION KINETIC AND CATALYST DEACTIVATION OF METHANE DECOMPOSITION USING PALM SHELL BASED ACTIVATED CARBON FOR FREE CO<sub>x</sub> HYDROGEN PRODUCTION</b> Hazzim F. Abbas and W.M.A. Wan Daud (UM, Malaysia)
CPE-104	<b>THE ISOLATION AND AMPLIFICATION OF FULL LENGTH CDNA OF OLEOSINS FROM OIL PALM</b> Shariza Binti Jamek, Ngoh Gek Cheng, Chuah Teon Guan (UMP, UM & UPM, Malaysia)
CPE-106	<b>HYDROGEN ADSORPTION OF GRAPHITIC NANOFIBERS AT HIGH PRESSURE USING MAGNETIC SUSPENSION BALANCE</b> Suriati Sufian and Suzana Yusup (UTP, Malaysia)

**DAY 2**  
**13.8.2009 (THURSDAY)**

<b>Session EES-III</b>	
<b>Chairperson: 1) Professor Dr. Raymond Tan</b> <b>2) Associate Professor Dr. Dominic Foo</b> <b>Time: 14.30pm – 16.00pm</b> <b>Venue: Tour Eiffel</b>	
EES-6	<b>MONOETHANOLAMINE (MEA) WASTEWATER TREATMENT VIA ADSORPTION METHOD: A STUDY ON COMPARISON OF CHITOSAN, ACTIVATED CARBON, ALUM AND ZEOLITE</b> M. N. Razali, R.M. Yunus, Z. Jemaat and S. Alias (UMP, Malaysia)
EES-13	<b>CO-PYROLYSIS AND CATALYTIC CO-PYROLYSIS OF WASTE TYRES WITH OIL PALM EMPTY FRUIT BUNCHES</b> Rusmi Alias, Ku Halim Ku Hamid and Kamariah Noor Imail (UTM, Malaysia)
EES-20	<b>REMOVAL OF COLOUR FROM LANDFILL BY SOLAR PHOTOCATALYTIC</b> SalwaMohdZainiMakhtar and Mohammad TamiziSelimin (UniMAP, Malaysia)
EES-21	<b>EFFECT OF METHOD OF TREATMENT OF RICE HUSK ON ADSORPTION OF TEXTILE DYES FROM AQUEOUS SOLUTIONS</b> Amarasinghe B.M.W.P.K. and Jayathunga G.K (University of Moratuwa, Sri Lanka)
EES-25	<b>ADSORPTION OF HEAVY METALS FROM RECOVERED BASE OIL USING ZEOLITE</b> Susiwi, M.W. Ali, A. Ripin and A. Ahmad (UTM, Malaysia)
EES-28	<b>ADSORPTION OF METHANE ON MODIFIED MCM-41</b> KhairulSozana Nor Kamarudin, Barry Tan Joon Liang, UmarMokhtar Baba, Nurhashimah Alias and Hanapi Mat (UTM, Malaysia)
EES-29	<b>METALS REMOVAL FROM RECOVERED BASE OIL USING CHITOSAN BIOPOLYMERS</b> S.M. Jamil, M.W. Ali, A. Ripin and A. Ahmad (UTM, Malaysia)
EES-52	<b>OPTIMIZATION OF BIOMASS USAGE FOR ELECTRICITY GENERATION WITH CARBON DIOXIDE REDUCTION IN MALAYSIA</b> Zarina Ab Muis, Haslenda Hashim, Zainuddin Abd. Manan and Faridah Mohd Taha (UTM, Malaysia)
EES-63	<b>INTEGRATED PHYSICAL-BIOLOGICAL TREATMENT FOR NITRIFICATION OF FRESHWATER FISH AQUACULTURE WASTEWATER</b> Abdul Latif Ahmad, Noor Rosyidah Sajuni and Vel Murugan Vadivelu (USM, Malaysia)
EES-64	<b>ADSORPTION CHROMATOGRAPHY OF CAROTENES FROM EXTRACTED OIL OF PALM OIL MILL EFFLUENT</b> A. L. Ahmad, C. Y. Chan, S. R. Abd Shukor, M. D. Mashitah (USM, Malaysia)

**DAY 2**  
**13.8.2009 (THURSDAY)**

<b>Session BPE-III</b>	
<b>Chairperson: 1) Associate Professor Dr. Mohd Sahaid Kalil</b> <b>2) Associate Proffesor Ir Othman Abdul Hamid</b> <b>Time: 14.30pm – 16.00pm</b> <b>Venue: La Bastille</b>	
BPE-17	<b>TEMPERATURE AND PHYTOCHEMICALS PROFILING OF <i>EURYCOMA LONGIFOLIA</i> (TONGKAT ALI) WATER EXTRACTS USING PRESSURIZED LIQUID EXTRACTOR AND UPLC-ESI-MS/MS</b> N.A Mohd Amin, L.S. Chua and M.R. Sarmidi (UPM & UTM, Malaysia)
BPE-22	<b>MODELLING FOR EXTRACTION OF MAJOR PHYTOCHEMICAL COMPONENTS FROM <i>EURYCOMA LONGIFOLIA</i></b> M. Mohamad, M. W. Ali and A. Ahmad (UTM, Malaysia)
BPE-26	<b>HIGH GRAVITY FERMENTATION FOR ETHANOL PRODUCTION BY <i>ZYMOMONAS ANAEROBIA</i></b> Azilah Abd Aziz and Yusuf Chisti (Massey University, New Zealand)
BPE-27	<b>EFFECTS OF ULTRASOUND ON ETHANOL PRODUCTION BY <i>KLUYVEROMYCES MARXIANUS</i></b> Ahmad Ziad Sulaiman, Yusuf Chistil and Rosli Mohd Yunus (UMP, Malaysia & Massey University, New Zealand)
BPE-34	<b>OPTIMIZATION OF EXTRACTION CONDITIONS OF ANTIOXIDANT ACTIVITY FROM <i>ZINGIBER ZERUMBET</i> OLEORESIN</b> Rosnani Hasham-Hisam, Norhayati Mohamed Noor, Mohd Najib Roslan, Mohamad Roji Sarmidi and Ramlan Abdul Aziz (UTM, Malaysia)
BPE-35	<b>ANTIBACTERIAL ACTIVITY OF MANGO KERNEL EXTRACTS</b> Mohamed E.S. Mirghani, Faridah Yosuf, Nasereldin A. kabbashi, Jaya Vejayan and Zaimah Mohamad Yosuf (IIUM & Monash University, Malaysia)
BPE-60	<b>POTENTIAL OF <i>CHANNA STRIATUS</i> (HARUAN) FILLET EXTRACTS FOR ANTIPROLIFERATIVE ACTIVITY TOWARDS LEUKEMIC, BREAST AND COLON CANCER CELLS</b> MJ Nur Syamsyiah, AW S. Fadilah, MA Abdah, MA Noorjahan Banu and AM Mat Jais (UPM & UKM, Malaysia)
BPE-65	<b>CAN THE BIOMASS RECALCITRANCE BE SOLVED BY EXPRESSION OF PLANT CELL-WALL HYDROLYSIS ENZYMES IN PLANT CELL?</b> <b>Hwa Jee Chung</b> (Changhae Institute of Cassava and Ethanol Research, Korea)
BPE-66	<b>YEAST BIOTECHNOLOGY FOR BIOENERGY PRODUCTION</b> Jung-Hoon Sohn (Korea Research Institute of Bioscience and Biotechnology (KRIBB), Korea)
CPE-107	<b>DESIGNING ECO-INDUSTRIAL RESOURCE CONSERVATION NETWORKS USING FUZZY MIXED INTEGER LINEAR PROGRAMMING</b> K. B. Aviso, R. R. Tan, A. B. Culaba, D. C. Y. Foo, N. Hallale (De La Salle University, Philippine & University of Nottingham, Malaysia)

**DAY 3**  
**14.8.2009 (FRIDAY)**

<b>Session CPE-V</b>	
<b>Chairperson: 1) Professor Dr. Aamir Ijaz</b> <b>2) Dr. Reddy Prasad</b> <b>Time: 8.00am – 11.30am</b> <b>Venue: Le Lourve</b>	
CPE-4	<b>PERFORMANCE INVESTIGATION ON A NEW DESIGN FOR PROGRESSIVE FREEZE CONCENTRATION SYSTEM</b> Mazura Jusoh, Rosli Mohd. Yunus and Mohd. Ariffin Abu Hassan (UTM, Malaysia)
CPE-10	<b>MODELLING AND SIMULATION OF AN UNSATURATED POLYESTER PROCESS</b> M. Shah, E. Zondervan and A.B de Haan (Technical University Eindhoven, Netherland)
CPE-25	<b>METABOLITES PROFILING OF HEAT-TREATED WHOLE PALM OIL EXTRACT</b> N. Akhmazillah Mohd Fauzi, Mohd. Roji Sarmidi and LS. Chua (Universiti Tun Hussein Onn & UTM, Malaysia)
CPE-27	<b>ERT IMAGING OF GAS-LIQUID MIXING IN AGITATED VESSEL</b> Mohd Sobri Takriff, Azmi Ahmad, A.A. Hamzah and Siti Kartom Kamaruddin (UKM, Malaysia)
CPE-47	<b>MATHEMATICAL MODELLING OF THIN LAYER DRYING OF SALAK</b> Sze Pheng Ong and Chung Lim Law (University of Nottingham, Malaysia)
CPE-49	<b>MODEL THE PERFORMANCE OF RISER SECTION OF FLUID CATALYTIC CRAKING REACTOR</b> Mesfin Berhanu Negash and Shuhaimi Mahadzir (UTP, Malaysia)
CPE-53	<b>CFD SIMULATION OF A SPOUTED BED HYDRODYNAMICS WITH A POROUS DRAFT TUBE CONTAINING A SMALL AMOUNT OF FINER PARTICLES</b> S. Azizi, M. G. Ahmadi and Keshavarz Moraveji (Arak University, Iran)
CPE-75	<b>RESPONSE SURFACE METHODOLOGY FOR OPTIMISATION OF EPOXIDATION OF PALM OIL-BASED TRIMETHYLOLPROPANE ESTER WITH PERACETIC ACID</b> Ferra Naidir, Robiah Yunus, Tinia Idaty Mohd Ghazi and Irmawati Ramli (UPM, Malaysia)
CPE-83	<b>SIMPLE SUGARS PRODUCTION FROM OIL PALM EMPTY FRUIT BUNCH USING ACID HYDROLYSIS: KINETIC MODELING STUDY</b> Ideris A, Nasratun M, Rozaimi A.S, Shalyda M.S, Nurul Aini M.A, Ahamad Nordin N.I.A and Zulkali M.M.D (UMP & UniMAP, Malaysia)



**DAY 3**  
**14.8.2009 (FRIDAY)**

<b>Session EES-IV</b>	
<b>Chairperson: 1) Professor Dr. Abdul Latif Ahmad</b> <b>2) Associate Professor Dr. Buhri Arifin</b> <b>Time: 8.00am – 11.30am</b> <b>Venue: Tour Eiffel</b>	
EES-12	<b>EFFECT OF INITIAL ACID CONCENTRATION AND VCONC/VDIL RATIO TOWARDS ELECTRODIALYSIS PERFORMANCES FOR ACID RECOVERY</b> F. S. Rohman and N. Aziz (USM, Malaysia)
EES-15	<b>TREATMENT OF ADSORBABLE ORGANIC HALIDES (AOX) FROM RECYCLED PAPER INDUSTRY WASTEWATER USING A GAC-SBBR PILOT PLANT SYSTEM</b> Mohd Hafizuddin Muhamad, SitiRozaimah Sheikh Abdullah, Abu Bakar Mohamad, RakmiAbd. Rahman and Abdul Amir Hassan Khadum (UKM, Malaysia)
EES-16	<b>BIOSORPTION OF MANGANESE IN DRINKING WATER BY ISOLATED BACTERIA</b> Hassimi Abu Hasan, SitiRozaimah Sheikh Abdullah, Noorhisham Tan Kofli, & Siti Kartom Kamaruddin (UKM, Malaysia)
EES-32	<b>STUDIES ON THE BIO-SORPTION ACTIVITY OF CASTOR SEED HULL FOR THE REMOVAL OF CD(II) IONS</b> Masita Mohammad, Binay K Dutta, Saikat Maitra, Tushar K Sen (UTP, Malaysia)
EES-34	<b>ADSORPTIVE REMOVAL OF ACRYLONITRILE ONTO LOW COST ADSORBENT</b> Arvind Kumar, K. C. Biswal, B. Prasad, I. M. Mishra, V. K. Sangal (National Institute of Technology & IIT, India)
EES-38	<b>CERAMIC MEMBRANE FABRICATION FROM INDUSTRIAL WASTE: EFFECT OF PARTICLE SIZE DISTRIBUTION ON THE POROSITY</b> Norliza Ibrahim, Murthy VPS Veluri and Teng Wan Dung (UTM, Malaysia)
EES-43	<b>EXTRACTION OF POLYPHENOLS FROM PINK GUAVA PROCESSING WASTES</b> Lilis Sukeksi, Nik Meriam Sulaiman, Che Rosmani Che Hasan, Mohamed Kheireddine Aroua and Abdul Ghani L.A (UM, Malaysia)
EES-47	<b>SIMULTANEOUS CARBON AND NITROGEN REMOVAL OF RUBBER PROCESSING WASTEWATER BY USING AN AEROBIC/ ANOXIC SEQUENCING BATCH REACTOR</b> See J Chua, A. S. M Sulaiman and N. M (UM, Malaysia)
PPI-16	<b>APPLICATION OF POLYMERIC SOLVENT-STABLE NANOFILTRATION MEMBRANES FOR BIODIESEL PRODUCTION</b> Rahimah Othman, Abdul Wahab Mohammad, Manal Ismail and Jumat Salimon (UKM, Malaysia)
CPE-38	<b>APPLICATION OF THE AQUEOUS TWO-PHASE THERMOSEPARATING SYSTEMS OF DEHYPON® LS 54-THE WAXY MAIZE STARCH FOR PROTEIN EXTRACTION</b> Ario Betha Juanssil Fero, Jamaliah Md. Jahim and Amir Rabu (UKM, Malaysia)

**DAY 3**  
**14.8.2009 (FRIDAY)**

<b>Session PPI-II</b>	
<b>Chairperson: 1) Associate Professor Dr. Thomas Choong Shean Yaw</b> <b>2) Dr. Norashid Aziz</b> <b>Time: 8.00am – 11.30am</b> <b>Venue: La Bastille</b>	
PPI-6	<b>MECHANICAL PROPERTIES OF INJECTION MOLDED PLASTICIZED POLY (VINYL ALCOHOL)/TAPIOCA STARCH BLENDS</b> Mohd Shahrul Nizam Salleh and Wan Aizan Wan Abdul Rahman (UTM, Malaysia)
PPI-9	<b>IN SILICO APPROACH IN DESIGNING XYLANASE FOR BIOBLEACHING INDUSTRY</b> Ibrahim Ali Noorbatchesa, Muaz Abdul Hadi, Ahmad Faris Ismail and Hamzah Mohd Salleh (IUM, Malaysia)
PPI-21	<b>INHERENTLY SAFER DESIGN: A CONSEQUENCES ANALYSIS FOR JET FIRE EFFECTS</b> Mohd Sobri Takriff, Mardhati Zainal Abidin, Z. Fisal and M. Z. M. Talib (UKM, Malaysia)
PPI-27	<b>PILOT SCALE PRODUCTION OF TRIMETHYLOLPROPANE ESTER BASED LUBRICANT FROM PALM OIL</b> S. Siti Zubaidah, Robiah Yunus, A Luqman Chuah, A Fakhru'l-Razi, C.M Rohaida (UMP, Malaysia)
PPI-30	<b>THE POTENTIAL OF LIGNIN EXTRACTED FROM OIL PALM EMPTY FRUIT BUNCH AS RUST CONVERTER</b> Mohamad Ibrahim and M.N (USM, Malaysia)
PPI-39	<b>SYNTHESIS OF POLYURETHANE FOAM FROM EFB-BASED BIOPOLYOLS</b> Yvonne S. H. Chang and Mohamad Taufiq Arpin (UITM & UTP, Malaysia)
PPI-41	<b>EFFECT OF BLENDING ON FOULING CHARACTERISTICS OF CRUDE OIL AND CONDENSATES</b> Umesh B. Deshannavar, M.S. Rafeen, M. Ramasamy and D. Subbarao (UTP, Malaysia)
PPI-48	<b>DEVELOPING EXTRACTION SYSTEM USING THERMOSEPARATING POLYMER FOR ENZYME RECOVERY</b> Fariza Akmal Abdul Mutalib, A.B. Juanssil and Jamaliah Md Jahim (UKM, Malaysia)
PPI-51	<b>PALM-OIL BASED AS SECONDARY CARBON SOURCE FOR MICROBIAL PRODUCTION OF XANTHAN GUM</b> Miradatul Najwa, Veluri V.P.S. Murthy and R. Kalavathy (UITM, Malaysia)
PPI-56	<b>CHARACTERIZATION OF EXTRACTED FISH OIL FROM EEL: EFFECTS OF PROCESS PARAMETERS (DRYING TEMPERATURE AND SOLVENT USED) ON EXTRACTION YIELD</b> Shalyda Md Shaarani @ Md Naw, Sureena Abdullah, Siti Kholijah Abdul Mudalip, Nurul Aini Mohd Azman and Amirah Izam (UMP, Malaysia)
CPE-39	<b>PHOTOCATALYTIC DEGRADATION OF PHENOL IN A FLUIDIZED BED REACTOR UTILIZING IMMOBILIZED TiO<sub>2</sub> PHOTOCATALYST: CHARACTERIZATION AND PROCESS STUDIES</b> Zulfakar Mokhtar, Hairul Nazirah Abd Halim, Akmal Hadi Ma'radzi and Abdul Rahman Mohamed (UniMAP, Malaysia)

**DAY 3**  
**14.8.2009 (FRIDAY)**

<b>Session CPE-VI</b>	
<b>Chairperson: 1) Associate Professor Dr. Suhaimi Mohd. Yasir</b> <b>2) Dr. Jamaliah Md. Jahim</b> <b>Time: 14.15pm – 16.00pm</b> <b>Venue: Le Lourve</b>	
CPE-5	<b>OPTIMIZATION OF ESTERIFICATION PROCESS FROM <i>JATROPHA CURCAS</i> L. SEED OIL TO PRODUCE BIODIESEL</b> M.A.Nor Hafizah, A.B.Syamsul, M.M.Yusoff (UMP, Malaysia)
CPE-11	<b>DENSITY AND VISCOSITY ESTIMATION OF 1-HEXYL-3-METHYL IMIDAZOLIUM BASED IONIC LIQUIDS (ILS) WITH [BF<sub>4</sub>] AND [PF<sub>6</sub>] ANIONS AT HIGH PRESSURES</b> Ayyaz Muhammad, M. I. Abdul Mutalib, T. Murugesan, Zakaria B. Man & Azmi Bustam (UTP, Malaysia)
CPE-19	<b>EFFECT OF FATTY ACIDS ON FOULING OF ULTRA-FILTRATION MEMBRANES IN GLYCERINE-RICH SOLUTION</b> A.W. Mohammad, M.A. Indok Nurul Hasyimah, Mohd Tusirin Nor and C.P. Leo (UKM, Malaysia)
CPE-89	<b>THE EFFECT OF DIFFERENT SURFACE PROPERTIES ON THE SPREADING BEHAVIOR OF A DROPLET</b> Ku Zilati Ku Shaari and Richard Turton (UTP, Malaysia & West Virginia University, USA)
CPE-90	<b>NON LINEAR MODELING OF CHEMICAL KINETICS OF TRANSESTERIFICATION OF PALM- BASED METHYL ESTERS WITH TRIMETHYLOLPROPANE</b> Ruzaimah Nik Mohamad Kamil, Suzana Yusup and Lukman Ismail (UTP, Malaysia)
CPE-95	<b>FLEXIBLE OPERATIONAL PLANNING MODEL FOR GAS PROCESSING PLANT UNDER UNCERTAIN CONDITIONS</b> Mesfin Getu and Shuhaimi Mahadzir (UTP, Malaysia)
CPE-97	<b>MODELING REJECTION MECHANISMS IN NANOFILTRATION MEMBRANES MODIFIED BY CHARGED-MODIFYING MACROMOLECULES</b> Bolong N, Ismail A.F, Salim M.R, Rana D and Matsuura T (UMS, Malaysia)
CPE-98	<b>TEMPERATURE PROFILE DATA IN THE ZONE OF FLOW ESTABLISHMENT ABOVE A MODEL AIR-COOLED HEAT EXCHANGER WITH 0.56-M<sup>2</sup> FACE AREA OPERATING UNDER NATURAL CONVECTION</b> Md. Mizanur Rahman, Sivakumar Kumaresan, Chu Chi Ming (UMS, Malaysia)
CPE-101	<b>A NEW SYSTEMATIC METHOD FOR OPTIMAL HEAT RECOVERY NETWORKS DESIGN WITH MINIMUM AREA AND EXERGY LOSS</b> T.P. Handayani, Sharifah Rafidah Wan Alwi and Z. Abdul Manan (UTM, Malaysia)

**DAY 3**  
**14.8.2009 (FRIDAY)**

<b>Session PPI-III</b>	
<b>Chairperson: 1) Professor Madya Dr. Mohamad Nasir Mohamad Ibrahim</b> <b>2) Mr. Abdul Halim Mohd Yusof</b> <b>Time: 14.15pm – 16.00pm</b> <b>Venue: Tour Eiffel</b>	
PPI-13	<b>NATURAL POLYMER MUCILAGE COMPOUND FORMULATION AS DRAG REDUCING AGENT FOR LIQUIDS TRANSPORTATION THROUGH STRATEGIC PIPELINES</b> <b>Hayder A. Abdul Bari, Siti Nuraffini Bt Kamarulizam and Zulkafli Hassan</b> (UMP, Malaysia)
PPI-15	<b>DRYING OF LEMON GRASS, GINGER AND LAKSA LEAF IN A VIBRATED FLUIDIZED BED</b> <b>Jahi Nur Aimi Farhana Ramli, Norazah Abd Rahman, Siti Azeeyatul Akmar Kemat, Nornizar Anuar and Tajuddin Md Jahi</b> (UITM, Malaysia)
PPI-34	<b>EFFECT OF CARBON BLACK AND SILICA FILLERS IN THE FORMATION OF EPOXY-AMINE COMPOSITE</b> <b>F. Z. Zakaria, C. S. Sipaut, N. H. Ramli and M.N.Mohamad Ibrahim</b> (USM, Malaysia)
BPE-16	<b>OPTIMIZATION OF MEDIA COMPOSITION FOR THE PRODUCTION OF BIOPROTEIN FROM PINEAPPLE SKIN BY LIQUID STATE BIOCONVERSION</b> <b>Parveen Jamal, M. Fahrurrazi Tompong and M. Zahangir Alam</b> (IIUM, Malaysia)
BPE-20	<b>PRODUCTION AND CHARACTERIZATION OF BIOSURFACTANT FROM BACILLUS SUBTILIS YB7</b> <b>J. Arutchelvi, Sumit Bhaduri, Parasu Veera Uppara and Mukesh Doble</b> (Indian Institute of Technology Madras, Chennai & Polymer Research and Technology Center, Reliance Industries Limited, Chembur, India)
BPE-40	<b>SCREENING OF FUNGI FOR LIGNINOLYTIC ACTIVITIES</b> <b>Ang T.N, Ngoh G.C and Chua A.S.M</b> (UM, Malaysia)

**DAY 3**  
**14.8.2009 (FRIDAY)**

<b>Session CPE-VII</b>	
<b>Chairperson: 1) Dr. Alireza Fazlali</b> <b>2) Dr. Hayder A. Abdul</b> <b>Time: 14.15pm – 16.00pm</b> <b>Venue: La Bastille</b>	
CPE-9	<b>A STUDY ON SPRAY DRIED GELATINE: EFFECT OF FEED CONCENTRATION</b> Norhazwani Mohd Suhimi and Abdul Wahab Mohammad (UKM, Malaysia)
CPE-32	<b>NEURAL NETWORK BASED SOFT SENSOR FOR INFERENTIAL CONTROL OF A BINARY DISTILLATION COLUMN</b> Mohanad Osman and M. Ramasamy (UTP, Malaysia)
CPE-64	<b>FLUIDISED BED REACTOR: COLD MODEL STUDIES USING COMPUTATIONAL FLUID DYNAMICS (CFD) APPROACH</b> Lau Kok Keong, Zakaria Man, Puteri Erlinawati Zakaria Man and Ku Zilati Ku Shaari (UTP, Malaysia)
CPE-103	<b>ESTIMATION OF CARRAGEENAN CONCENTRATION BY USING ULTRA SONIC WAVES AND BACK PROPAGATION NEURAL NETWORKS</b> Reddy Prasad, Duduku Krishnaiah, Awang Bono, Paulraj Pandiyan, Rosli bin Mohd Yunus, Zulkafli bin Hassan and A. Naveena Lakshmi (UMP, UMS & UniMAP, Malaysia)
CPE-108	<b>VERIFICATION PROPERTIES OF O-RINGS MADE FROM VITON EXTREME WITH ADVANCED POLYMER ARCHITECTURE (APA) USED IN PIPELINE VALVES CONTAINING VERY SOUR GAS</b> Javad Heidarian, Homayon Hosein Khanli (Research Institute of Petroleum Industry, Iran)
CPE-110	<b>MATHEMATICAL MODELLING OF CO<sub>2</sub>-MEA SYSTEM IN A FALLING REACTOR</b> Essam K. Halabiya, Saba A. Ghani (University of Tikrit, Iraq)

